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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/706,987	11/14/2003	Youichi Tei	32307-192751	7491	
26694 VENABLE LL	7590 03/14/2007 P		EXAMINER		
P.O. BOX 343	85	PEZZUTO, HELEN LEE			
WASHINGTO	N, DC 20043-9998	ART UNIT	PAPER NUMBER		
			1713		
SHORTENED STATUTOR	RY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MONTHS		03/14/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary		Applicat	Application No. Applicant(s)						
		10/706,9	87	TEI ET AL.					
		Examine	r	Art Unit					
		Helen L.		1713					
Period fo	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status									
1) 又	Responsive to communication(s) filed	on 12 February 20	007						
· · · · · · · · · · · · · · · · · · ·)⊠ This action is a							
'=	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is								
,—	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Disposition of Claims									
4)⊠	Claim(s) 1-14 is/are pending in the app	lication							
	4a) Of the above claim(s) <u>13 and 14</u> is/are withdrawn from consideration.								
	☐ Claim(s) is/are allowed.								
	⊠ Claim(s) <u>1-12</u> is/are rejected.								
	Claim(s) is/are objected to.				•				
	Claim(s) <u>1-14</u> are subject to restriction	and/or election re	quirement.						
	on Papers		•		•				
	The specification is objected to by the E	Evaminar							
	-		√ objected t	a by the Everniner					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
	Replacement drawing sheet(s) including th		-		CD 1 101/d)				
11)□		•		-,,	, ,				
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority u	nder 35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
Attachment	(s)								
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)									
3) 🔀 Inform	e of Draftsperson's Patent Drawing Review (PTO nation Disclosure Statement(s) (PTO/SB/08) · No(s)/Mail Date <u>10/5/06</u> .	9-948)		o(s)/Mail Date f Informal Patent Application 					

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 2/12/07 has been entered.

Response to Amendment

Applicant's amendment to claims 1 and 4 filed in the reply on 12/14/06 is acknowledged. Currently, claims 1-12 are under consideration in this application.

Election/Restrictions

2. Claims 13-14 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on . 1/19/06.

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Terminal Disclaimer

3. The terminal disclaimer filed on 12/14/06 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of US 6,939,595 B2 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Information Disclosure Statement

4. The information disclosure statement (IDS) submitted on 10/5/06 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Rejections - 35 USC § 102/103

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the

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art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

7. Claims 1-12 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Baucom et al. (J. Macromol. Sci.-CHEM., A8(7), p. 1205-1238 (1974)).

The journal article to Baucom et al. is directed to the study of cyclopolymerization of unsymmetrical 1,6heptadienes via free radical mechanism. Among those nonconjugated dienes studied include 2-phenylallyl ether and 2-phenylallyl methallyl ether, which fall within the scope of the instant formula (II) with R equal to phenyl and methyl, respectively (see pages 1215-1216, formulas XXII and XXIV). Thus, anticipating the present claims 1-2, 4-5. The properties such as molecular weight, degree of cyclization, Tg, thermal decomposition point and moisture content are considered as inherent in the prior art, because identical starting monomers are utilized in the free radical cyclopolymerization, and said cyclopolymerization is taught to be the predominated mode of radical initiated propagation. The burden is placed upon the applicant to provide clear evidence that prior art cyclopolymerized products do not necessarily or inherently

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possess properties of the claimed product, where claimed and prior art products are identical or substantially identical, and are produced by identical or substantially identical processes. Regarding the embodiment of R being hydrogen, applicant's comparative data of record do not show unexpected results derived from cyclopolymerization of monomers containing R being hydrogen as compared to those containing other R substituent (i.e. phenyl). Accordingly, the examiner is of the position that it would have been obvious to one having ordinary skill in the art to use monomer (II) with R as hydrogen in view of the closely related structures of the monomers containing the recited R substituent, and thus, the resulting expectation of similar cyclopolymerization mechanism.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Helen L. Pezzuto whose telephone number is (571) 272-1108. The examiner can normally be reached on 8 AM to 4 PM, Monday thru Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on (571) 272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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